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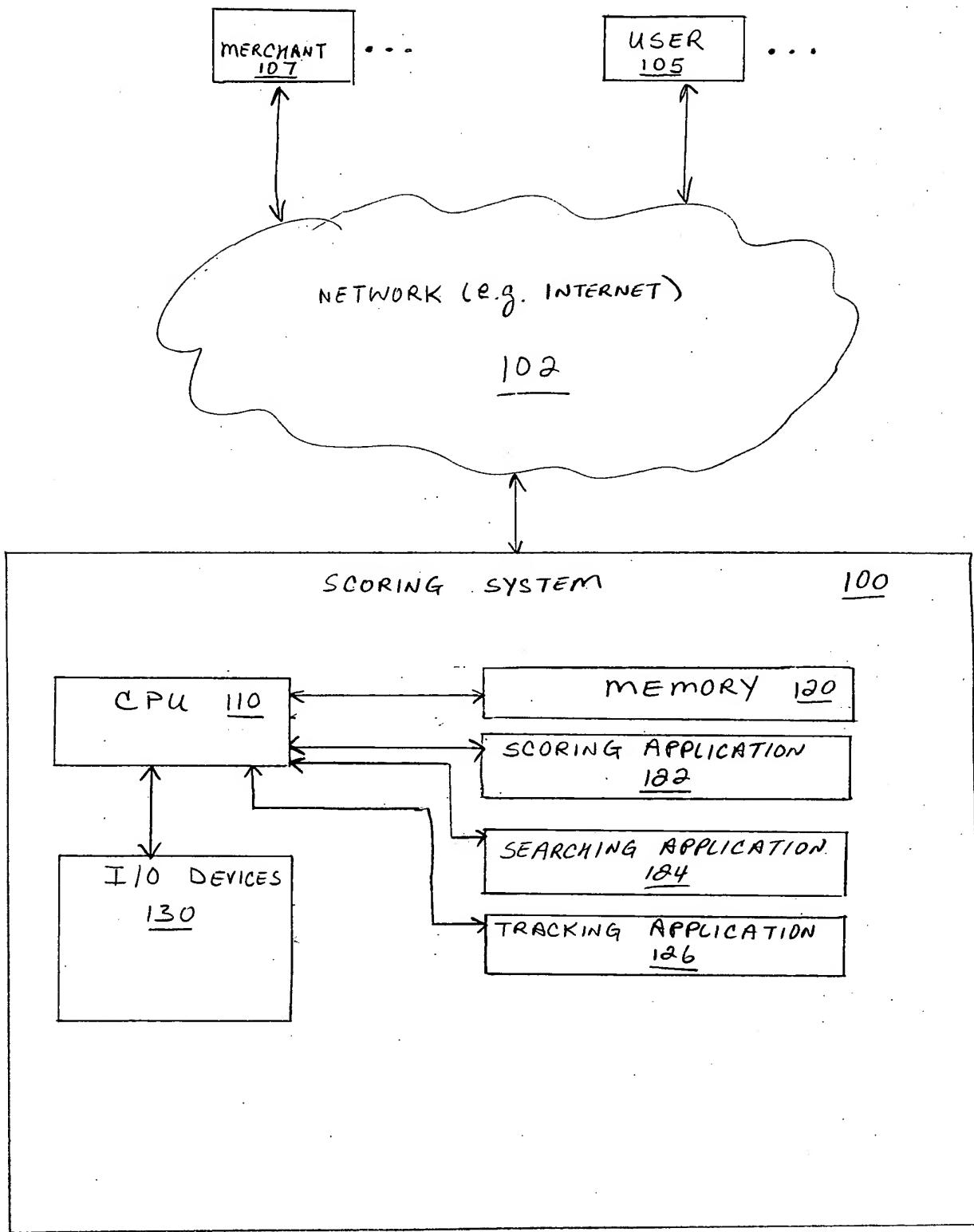
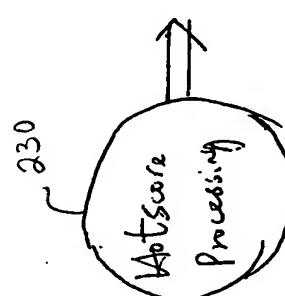
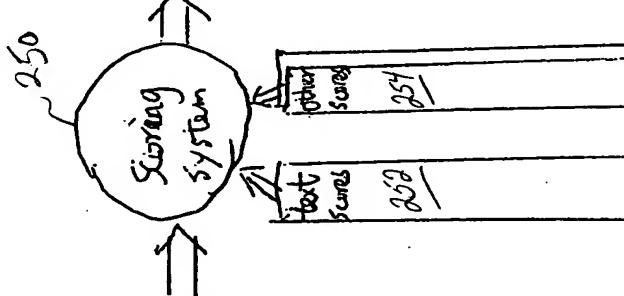
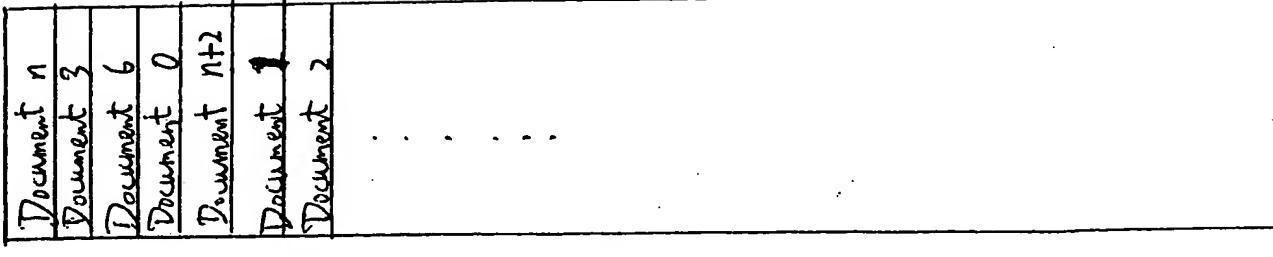


FIG. 1

Figure 2. Aotscore's Role in Scoring System
(Given one search term K)

Result Set
260



Result Set
220

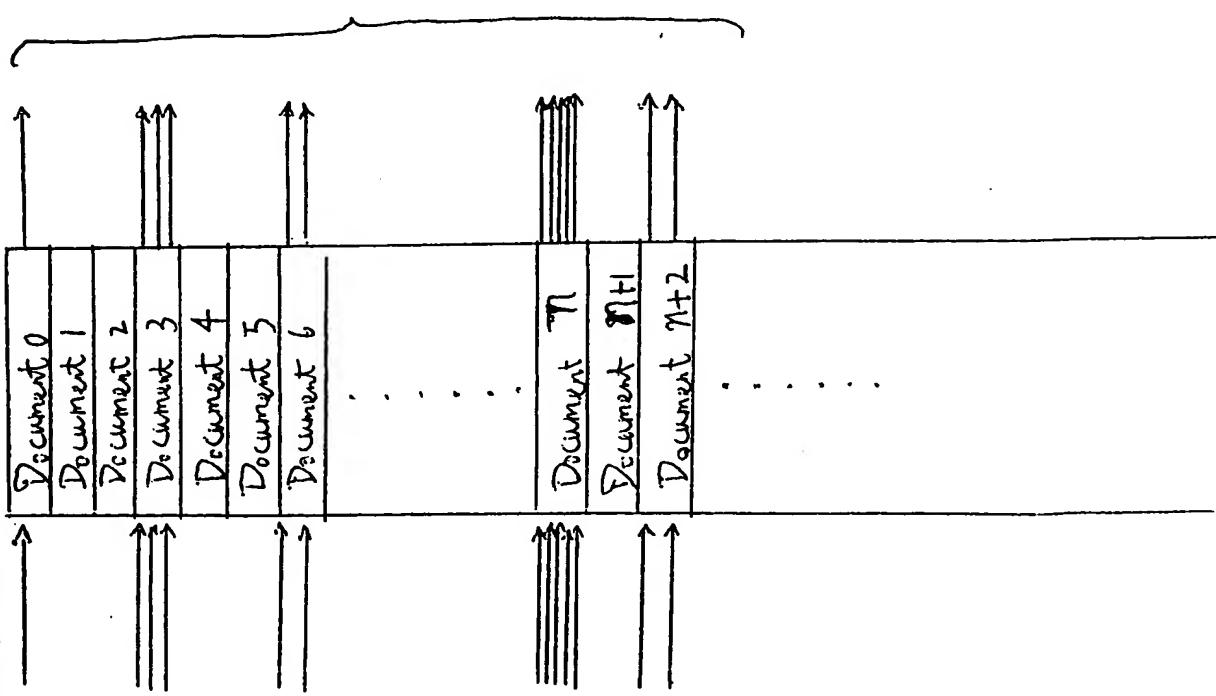


Figure 3. hotscore Generation

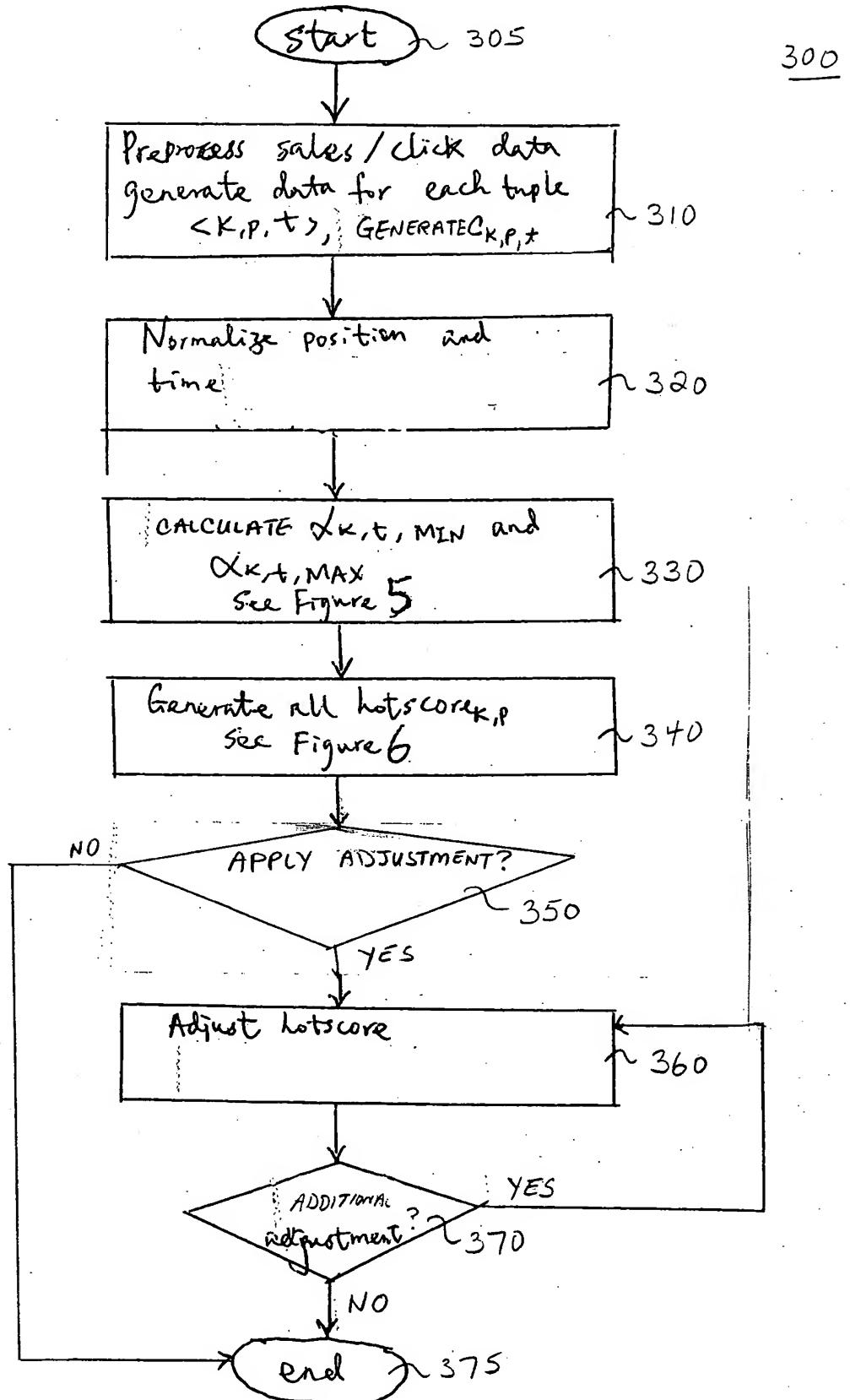


Figure 4 Preprocessing

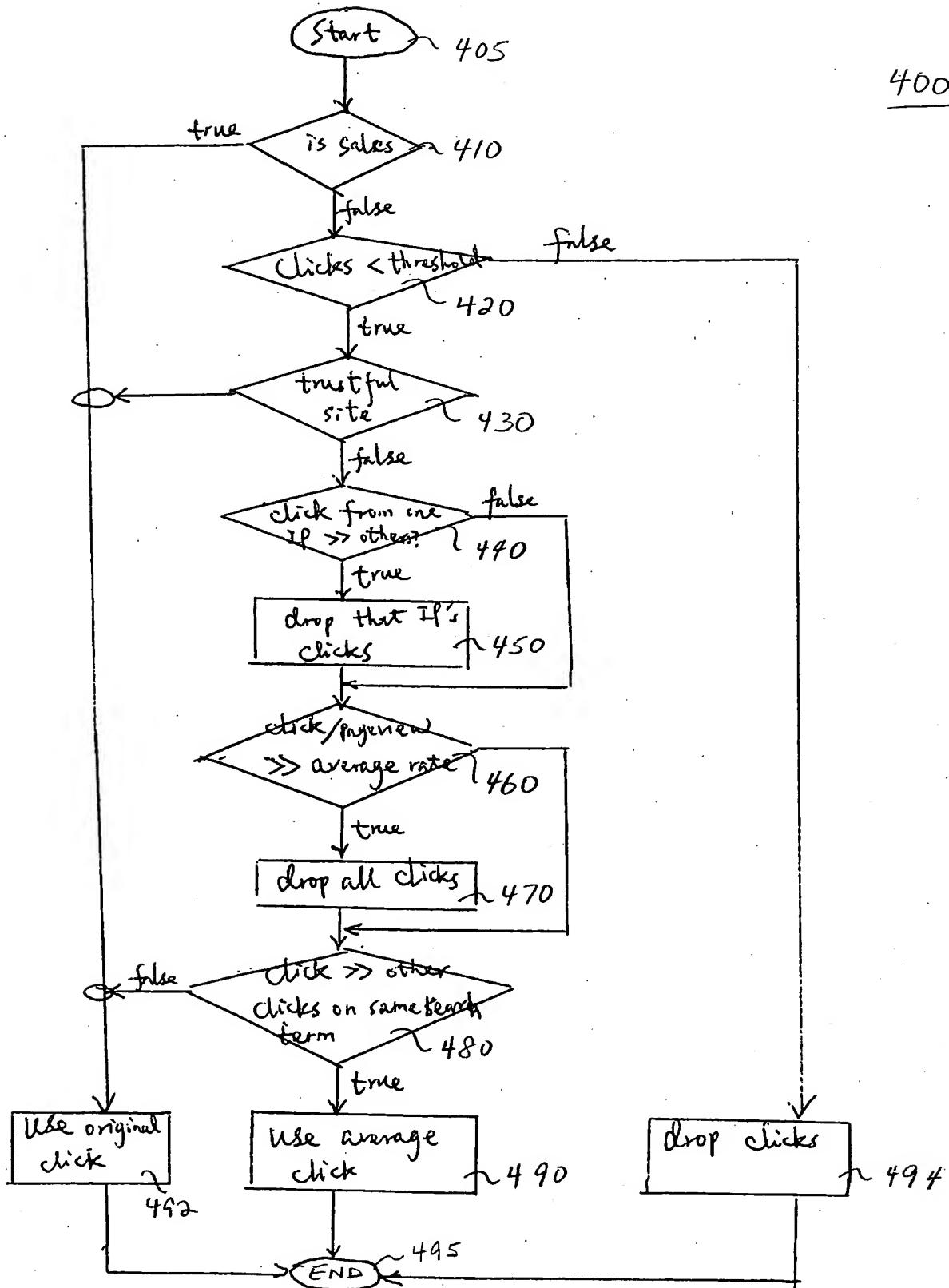


Figure 5. Summarize $\Delta_{k,t,\text{MIN}}$ and $\Delta_{k,t,\text{MAX}}$

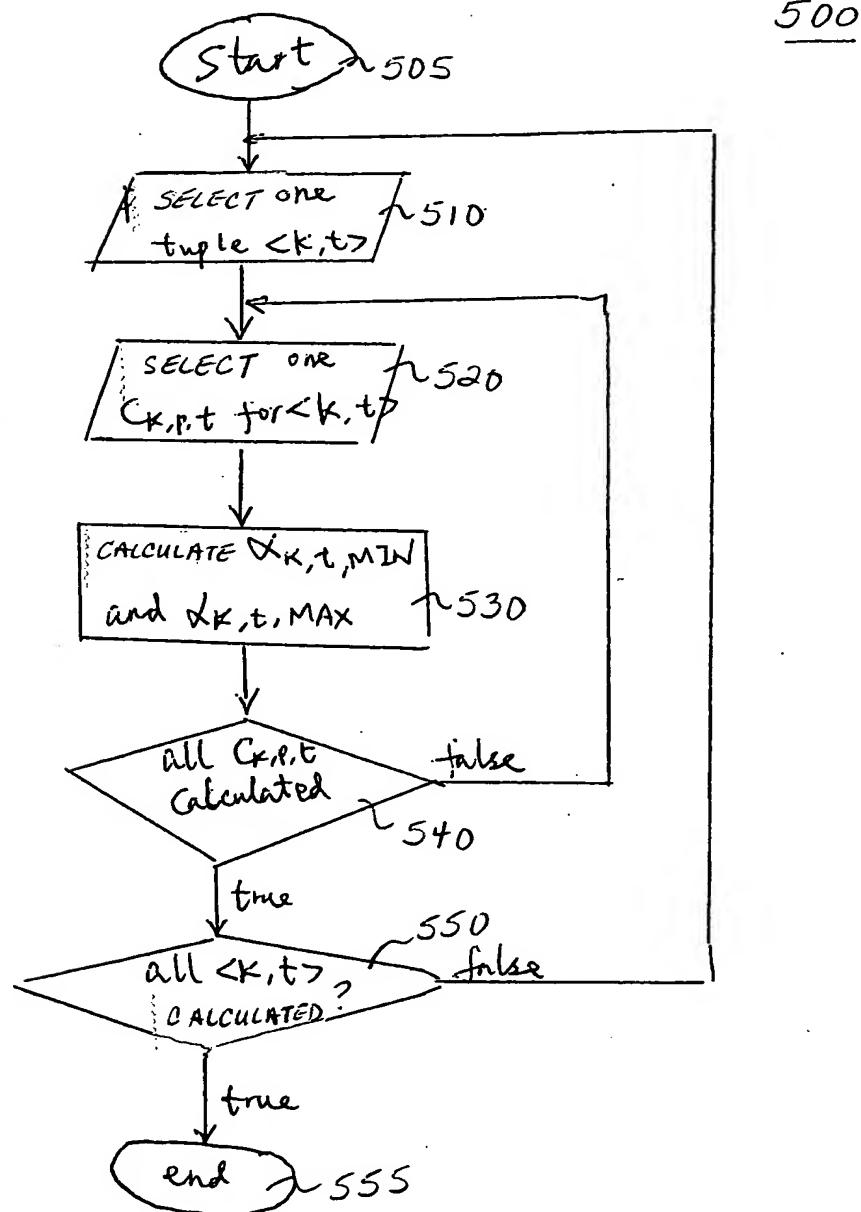


Figure 6 - hotscore's generation

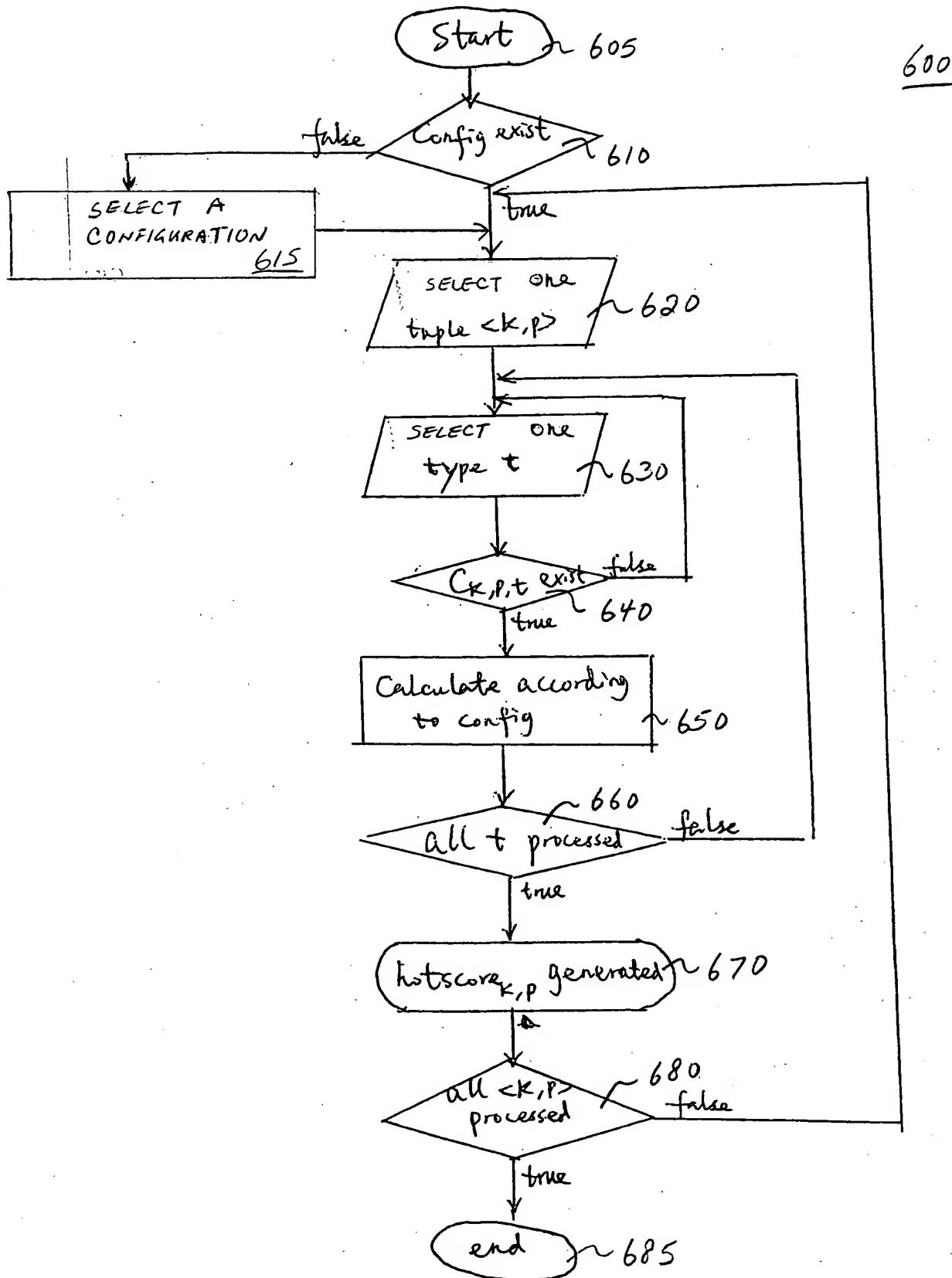


Figure 7. Hotscore Adjustment example 1:

Adjust based on Knowledge

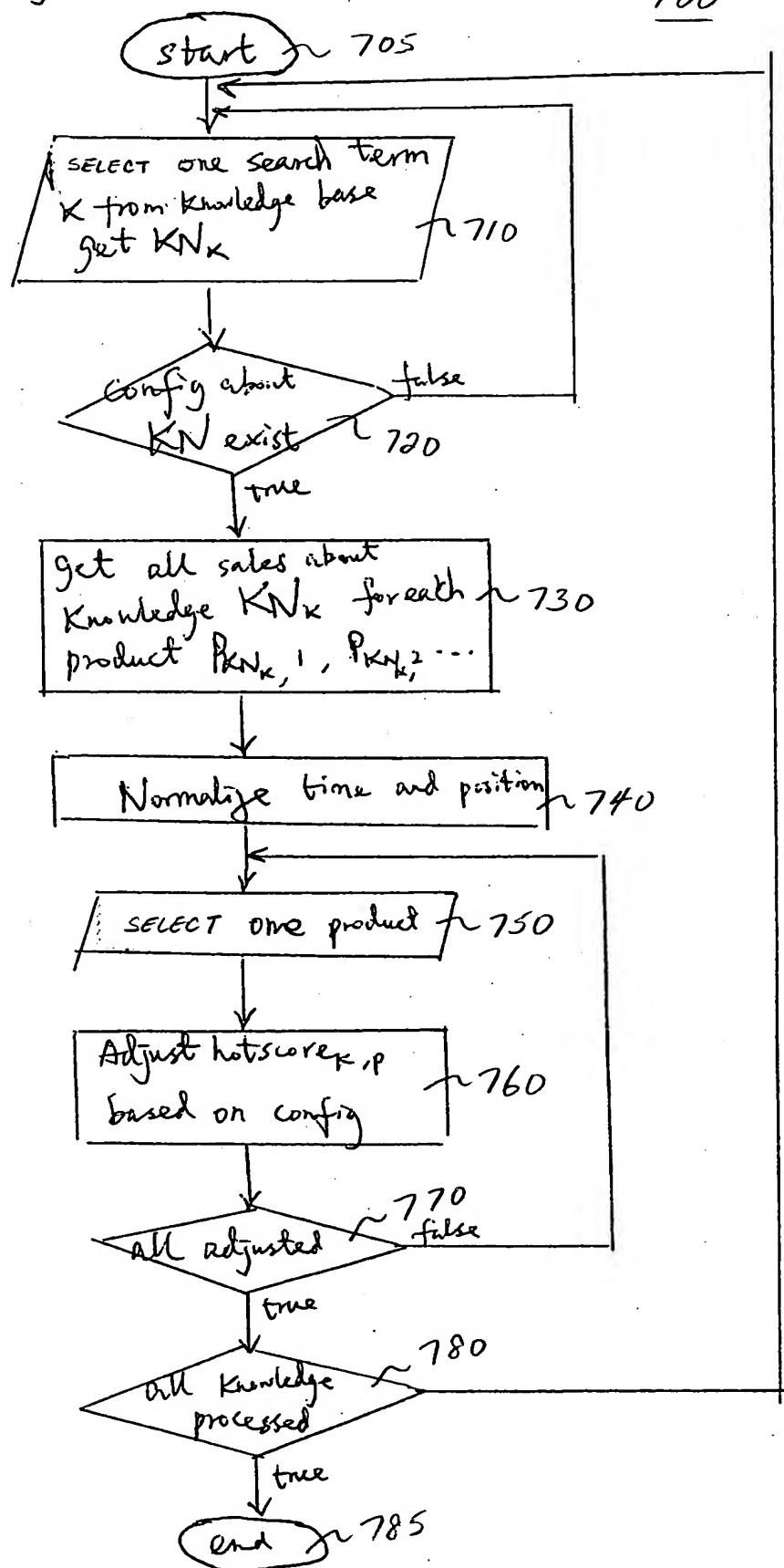


Figure 8. hotscore adjustment example 2:

Adjust based on hotscore of related narrow searches

